



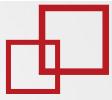
FOR CARIBBEAN DISTRIBUTIONSHIP



CONTACT: WHATSAPP: 1+954-865-6595

PART 01

SOLARTILE PRODUCT INTRODUCTION

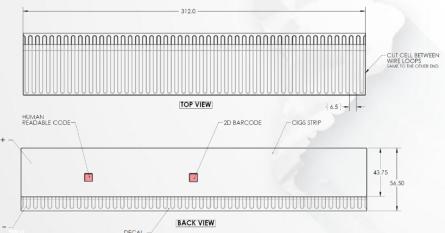


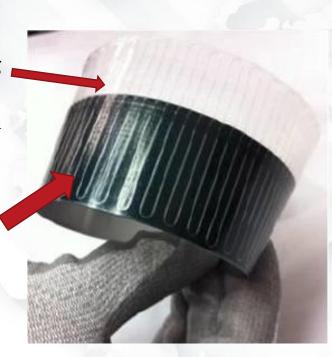
CIGS Thin film Chip



Superconducting copper wire interconnection

Based on stainless steel plate Copper Indium Gallium Selenide Chip





CIGS thin-film solar cells have achieved record-breaking high efficiency on stainless steel substrates. Compared with traditional hard solar cells, they have obvious advantages.

main feature:

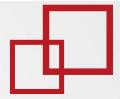
Flexible battery conversion efficiency up to 16.5%

As thin as 0.33mm

Lightweight up to 7.5 grams

Ideal for various special purposes, customers can flexibly process the size according to special needs

Flexibility and high shock resistance



Double-glass Three-arch curved Solar tile

Modeling: Three-arch curved surface

Structure: curved ultra-white glass + film + CIGS thin film chip + film +

curved glass

Auxiliary materials: edge protection and EPDM tape Size: 721*500*14mm (W*H*D, without junction box) Square meter content: 3.48 pieces/square meter

Square meter power: 104 watts

Power: 30 watts per pcs

Open circuit voltage: 10.6V Short circuit current: 4A

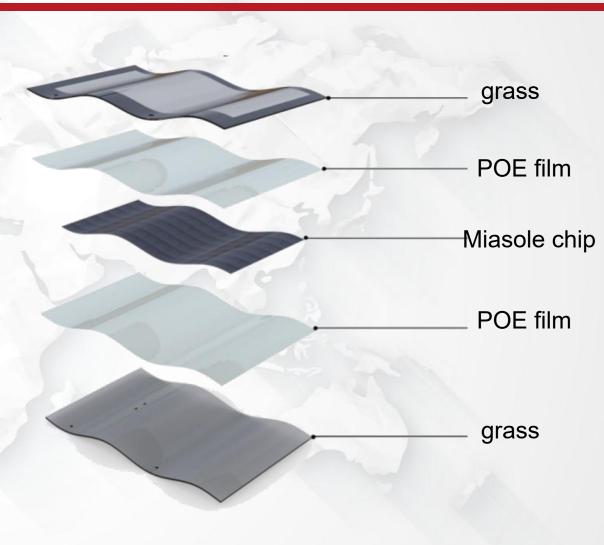
Working voltage: 8.6V Working current: 3.5A

Product Certification: CQC UL 3C

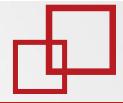
Single piece weight: 6.5Kg

Packing specification: 1600*1100*700mm 430kg 60 pieces/carton









Solar tile double 85 test: After placing it in an environmental test box with a temperature of 85 degrees and a humidity of 85% for 1000 hours, the test verifies the heat and humidity resistance of Solar tile.

Solar tile TC200 test: to verify Solar tile's low temperature and high temperature resistance under a temperature difference environment between -40 degrees and 85 degrees.

Solar tile HF (humid-freezing) test: Test and verify Solar tile's resistance to high and low temperature and humidity in a humidity environment of 25 degrees to 85 degrees and 85% and a humidity free environment of -40 degrees to 25 degrees.

Solar tile 3C certification: to verify Solar tile's own safety performance, including shot bomb test, falling ball test, heat resistance, humidity resistance, and radiation resistance.

Solar tile fire protection certification: test the fire performance of Solar tile.

Solar tile anti-hail test: simulate the actual size of hail to impact the Solar tile to verify its anti-hail performance.









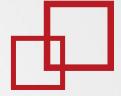




Distributed structure: roof tile + solar power generation

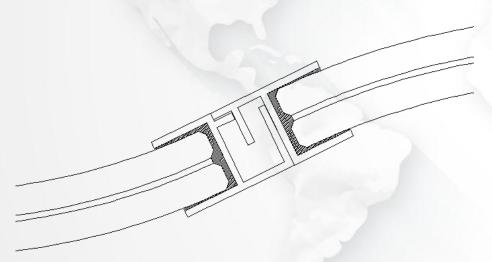
Solar tile structure: solar power tile

Solving distributed pain points: The calculation life of solar power generation is 25 years, and the life of roof tiles is generally 15 years, which brings great inconvenience to the replacement of roof tiles. Solar tile integrates waterproofing and power generation, with a service life of more than 30 years, which solves the problem of mismatch between the roof structure and the service life of solar power.



Waterproof performance

Waterproof on the left and right sides of the three-arch Han tile-edge protection

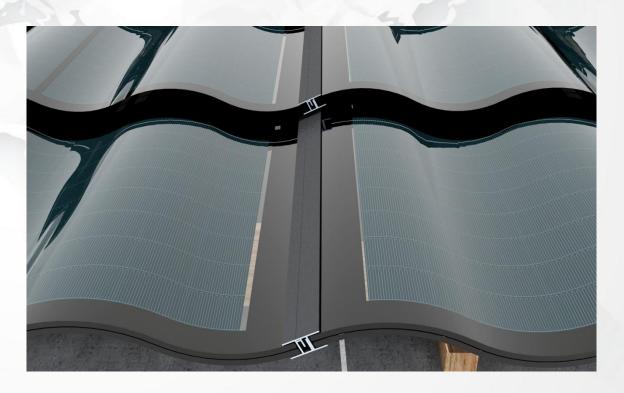


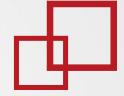
Lapping left and right

Edge protection function:

- 1. Waterproof
- 2. Protective glass

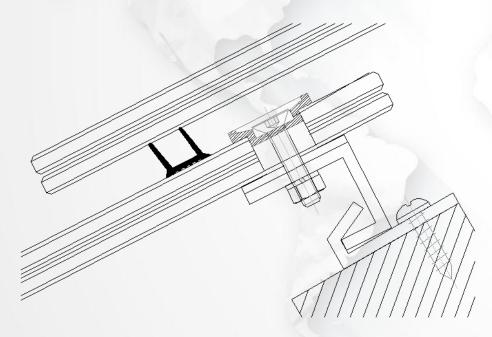
Solar tile edge protection material: high temperature resistance 100, flame retardant, outdoor life is more than 30 years Edge protection position: side, purpose-drainage and beauty





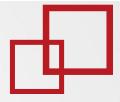
Waterproof performance

Waterproof on the upper and lower sides of Solar tile-adhesive strips



The upper and lower sides are overlapped

Edge protection function: 1. Waterproof 2. Protect the glass to prevent the glass from hitting hard Solar tile rubber strip material: EPDM, high temperature resistance 100 degrees, flame retardant In the 1980s, EPDM materials were used extensively on the curtain wall of the building. So far, it has been nearly 40 yuan, and the durability has been verified in practice.



Ventilation and heat dissipation

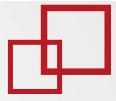
Solar tile back ventilation design:

When the Solar tile is working, the air layer on the back expands and rises due to heat, and the air pressure decreases. The external airflow flows in under the action of atmospheric pressure, forming a circulation of airflow from the outside to the inside.



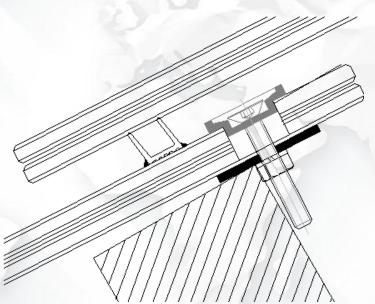
SOLAR TILE INSTALLATION STRUCTURE



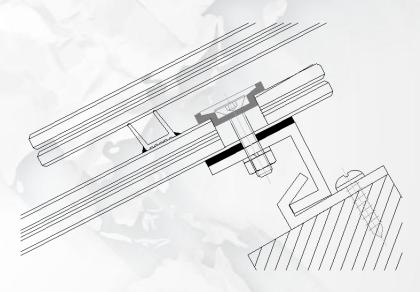




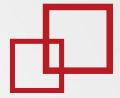
On-site combination of pendants



Option One: Adapt to the roof angle: 15 degrees -40 degrees

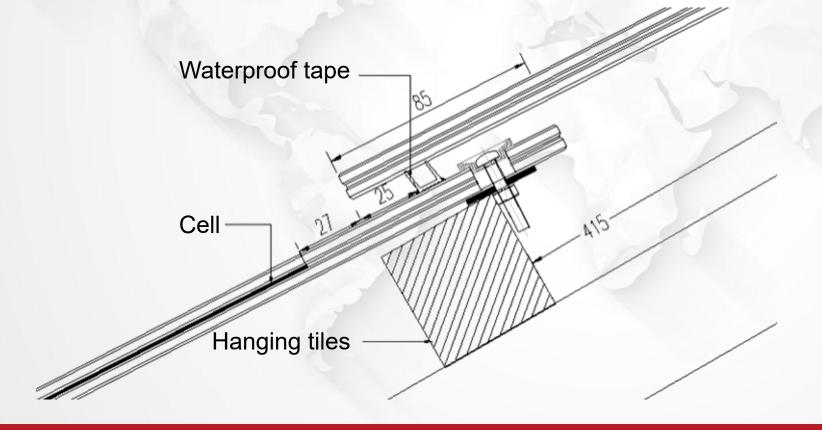


Option II: Adapt to the roof angle: 40 degrees -75 degrees



Mounting sequence

Solar tile installation order: from left to right, from bottom to top The Solar tile junction box has a length of 450mm, and the wires of the upper, lower, left, and right junction boxes can be connected. The spacing of the hanging tiles is 415-420mm, and the upper and lower pieces of the tile are overlapped by 85mm.







Waterproof test

Solar tile waterproof test bench:

- 1. The angle of the hanging tile test bench can be adjusted to simulate various roof angles
- 2. The spray angle of the spray test bench can also be adjusted to simulate wind and rain at various angles

Waterproof effect:

Solar tile water spray test, the water slope is 65 degrees, 55 degrees, 45 degrees, 30 degrees, 23 degrees, 15 degrees.



MAIN OFFICE

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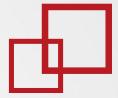


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PART 03

COMPANY ADVANTAGE



Edge tile solution

Edge tile material selection: glazed porcelain tile Reasons:

- 1. The glazed effect of porcelain tiles is similar to the glass effect of Solar tile main tiles
- 2. Porcelain tiles are more convenient to cut
- 3. Porcelain tile has low water absorption rate and long service life



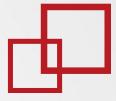
Solar tile model



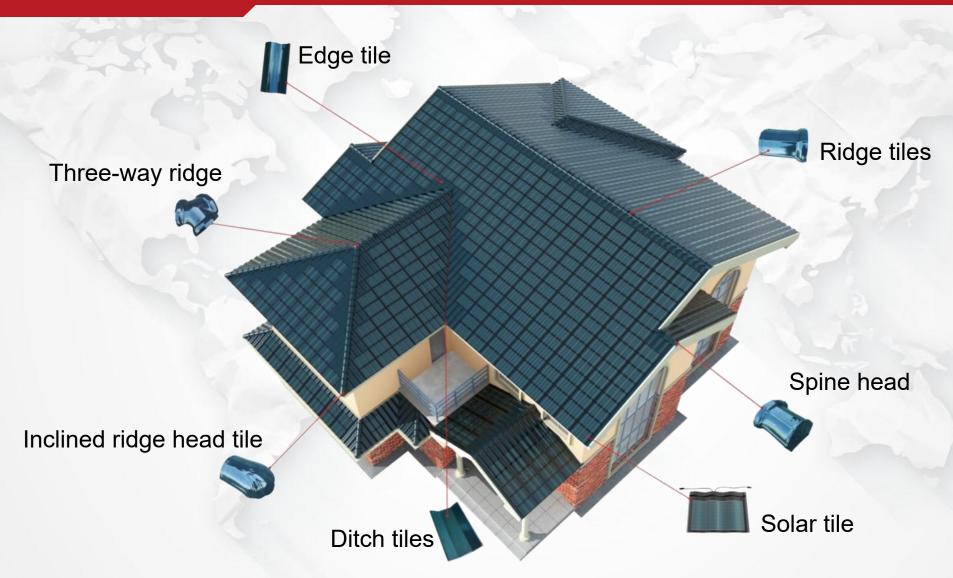
South slope open mold and close edge tiles

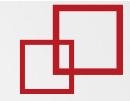
North slope open mold and close edge tiles





Villa building plan

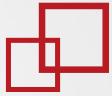




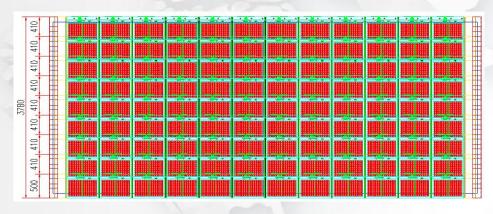
Villa building plan

Part of the list of tiles used in the overall solution of villa style three-arch curved Han tiles

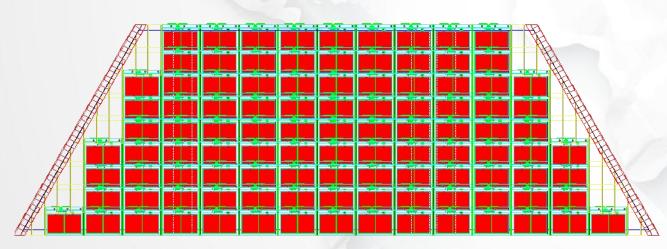
Solar tile`	500mm (L) *710mm (W) *40mm (Arch height)	
Edge tile	500mm (L) *245mm (W) *40mm (Arch height)	C. C
Ridge tiles	280mm (L) *200mm (W) *65mm (Arch height)	
Three-way ridge	150mm (Three sides) *200mm (W) *65mm (Arch height)	
Spine head	250mm (L) *200mm (W) *65mm (Arch height)	
Ditch tiles	390mm (L) *230mm (W) *45mm (Arch height)	
Inclined ridge head tile	300mm (L) *185mm (W) *65mm (Arch height)	

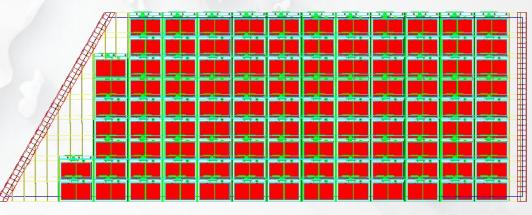


Butt seam installation



108 pcs

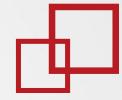




105 pcs

108 pcs

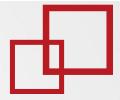






Step 1: Measure and pay off the line, install the water line and hang the tile

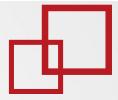






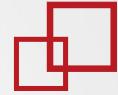
Step 2: Install Solar tile (order: from left to right, from bottom to top, Install the hook when the roof slope is 40°—75°,)





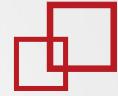


Step 3: install the edge tiles and ridge tiles



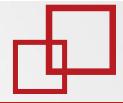


Step 1: Install the steel frame





Step 2 : paving the plank





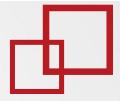
Step 3: Lay a 0.5mm thick galvanized steel sheet on the board





Step 4: Install the hanging tile







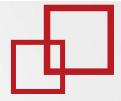
Step 5: Install Solar tile (order: from left to right, from bottom to top, Install the hook when the roof slope is 40°—75°,)





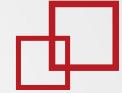
Step 6: Install the edge tiles and ridge tiles







Step 1: Install the wooden structure

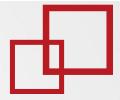


Wooden structure roof



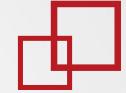
Step 2: Laying wooden boards







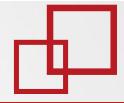
Step 3: Lay a 0.5mm thick galvanized steel sheet on the board



Wooden structure roof



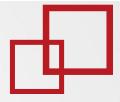
Step 4: Install the hanging tile





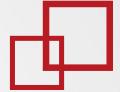
Step 5: Install Solar tile (order: from left to right, from bottom to top, Install the hook when the roof slope is 40°—75°,)







Step 6: Install the edge tiles and ridge tiles



Installation Precautions

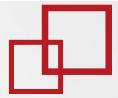
Joint of roof ridge and tile

Rough connection

After modification





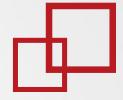


Solar tile installation avoids hard problems

When installing, pay attention to Solar tile not to directly contact with rigid materials, and use soft connection for Solar tile installation. Pay attention to the soft isolation during installation and storage, and put soft gaskets on the parts contacting Solar tile during storage.



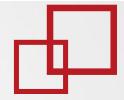




Changde Villa Solar Tile Project

Completion time:
October 2017
Application product:
Three-arch Solar tile
Installed capacity:
15 kilowatts





Antique Building Solar Tile Project

Completion time:
January 2018
Application product:
Single-arch C-shaped
Solar tile
Installed capacity:
6 kilowatts



Villa Solar Tile Project in

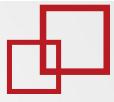
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Lee Land, Florida

Completion time:
July 2017
Application product:
Three-arch Solar tile
Installed capacity:
15 kilowatts

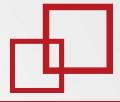






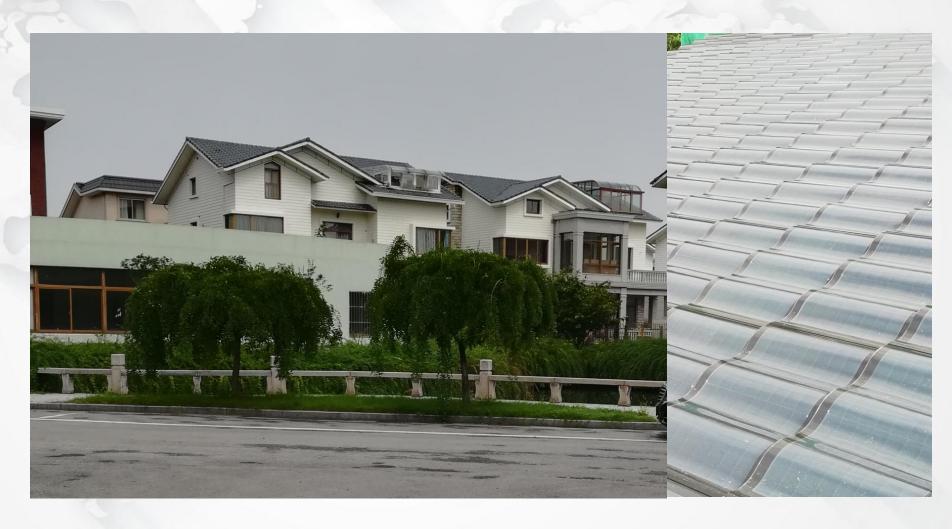
Completion time:
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Application product:
Three-arch Solar tile
Installed capacity:
20 kilowatts

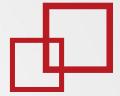




Changshu Yongfeng Solar tile Project

Completion time:
October 2017
Application product:
Three-arch Solar tile
Installed capacity:
15 kilowatts





Dalian Solar tile Project

Completion time:
January 2018
Application product:
Three-arch Solar tile
Installed capacity:
3 kilowatts





Shopping Mall Solar tile Project

Completion time:
December 2017
Application product:
Three-arch Solar tile
Installed capacity:
15 kilowatts



